

Fujitsu LifeBook B Series BIOS Guide

LifeBook B Series Model: B3000

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FUJITSU COMPUTER SYSTEMS

B Series BIOS BIOS SETUP UTILITY

The BIOS Setup Utility is a program that sets up the operating environment for your notebook. Your BIOS is set at the factory for normal operating conditions, therefore there is normally no need to set or change the BIOS environment to operate your notebook.

The BIOS Setup Utility configures:

- Device control feature parameters, such as changing I/O addresses and boot devices.
- System Data Security feature parameters, such as passwords.

Entering the BIOS Setup Utility

To enter the BIOS Setup Utility do the following:

- 1. Turn on or restart your notebook.
- 2. Press the [F2] key once the Fujitsu logo appears on the screen. This will open the main menu of the BIOS Setup Utility with the current settings displayed.
- 3. Press the arrow keys to scroll through the other setup menus to review or alter the current settings.

Navigating Through The Setup Utility

The BIOS setup utility consists of six menus; Main, Advanced, Security, Boot, Info and Exit. This document explains each menu, including all submenus and setup items.

The following procedures allow you to navigate the setup utility menus:

- 1. To select a menu, use the cursor keys: $[\leftarrow], [\rightarrow]$.
- To select a field within a menu or a submenu, use the cursor keys: [♠], [♣].
- 3. To select the different values for each field, press the [Spacebar] or [+] to change to the next higher selection and [F5] or [-] to go to the next lower selection.
- 4. To activate a submenu press the [Enter] key.
- 5. To return to a menu from a submenu, press the [Esc] key.
- 6. To go to the Exit menu from any other menu, press the [Esc] key.

 Selecting a field causes a help message about the field to be displayed on the right-hand side of the screen.



- Pressing the Enter key with the highlight on a selection that is not a submenu or auto selection will cause a list of all options for that item to be displayed.
 Pressing the Enter key again will select the highlighted choice.
- 7. Pressing the [F9] key resets all items in the BIOS to the default values.
- 8. Pressing the [F10] key saves the current configuration and exits the BIOS Setup Utility. You will be asked to verify this selection before it is executed.
- 9. Pressing the [F1] key gives you a general help screen.

Entering the Setup Utility After a Configuration Change or System Failure

If there has been a change in the system configuration that does not match the parameter settings stored in your BIOS memory, or there is a failure in the system, the system beeps and/or displays an error message after the Power On Self Test (POST). If the failure is not too severe, it will give you the opportunity to modify the settings of the setup utility, as described in the following steps:

 When you turn on or restart the computer there is a beep and/or the following message appears on the screen:

Error message - please run SETUP
program Press <F1> key to continue,
<F2> to run SETUP

If an error message is displayed on the screen, and you want to continue with the boot process and start the operating system anyway, press the [F1] key.



- If your notebook emits a series of beeps that sounds like a code and the display is blank, refer to the Troubleshooting Section of your system User's Guide. The Troubleshooting Section includes a list of error messages and their meanings.
- If your data security settings require it, you may be asked for a password before the operating system will be loaded.

- 3. If an error message is displayed on the screen, and you want to enter the setup utility, press the [F2] key.
- 4. When the setup utility starts with a fault present, the system displays the following message:

Warning! Error message

[Continue]

5. Press any key to enter the setup utility. The system will then display the Main Menu with current parameters values.

MAIN MENU – SETTING STANDARD SYSTEM PARAMETERS

The Main Menu allows you to set or view the current system parameters. Follow the instructions for Navigating Through The Setup Utility to make any changes.

The following tables show the names of the menu fields for the Main menu and its submenus, all of the options for each field, the default settings and a description of the field's function and any special information needed to help understand the field's use.



System Time and System Date can also be set from your operating system without using the setup utility. Use the calendar and time icon on your Windows Control panel.

Figure 1. Main Menu

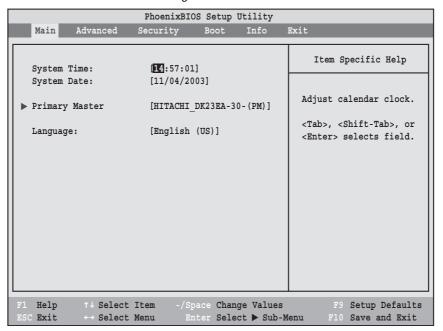


Table 1: Fields, Options and Defaults for the Main Menu

Menu Field	Options	Default	Description
System Time:	_		Sets and displays the current time. Time is in a 24 hour format of hours:minutes:seconds with 2 digits for each. (HH:MM:SS). Example: 16:45:57. You may change each segment of the time separately. Move between the segments with the [Tab] key and/or [Shift] + [Tab] keys.

Table 1: Fields, Options and Defaults for the Main Menu

Menu Field	Options	Default	Description
System Date:	_	_	Sets and displays the current date. Date is in a month/day/year numeric format with 2 digits each for month and day and 4 digits for year. (MM/DD/YYYY) for example: 03/20/1998. You may change each segment of the date separately. Move between the segments with the [Tab] key and/or [Shift] + [Tab] keys.
Primary Master:	Selects Primary Master submenu	_	Displays the type of device on this ATA/ATAPI interface, if there is one. Pressing the Enter key selects the Primary Master submenu allowing additional device configuration options for this interface.
Language:	• English (US) • Japanese (JP)	[English (US)]	The default setting differs between the US/European and the Japanese model. Selects the display language for the BIOS.

Primary Master Submenu of the Main Menu

The Primary Master submenu identifies what ATA/ATAPI devices are installed.

Note: Actual hard drive label shown may vary. Depending on the drive type, information such as cylinders, heads and sectors may or may not be displayed.

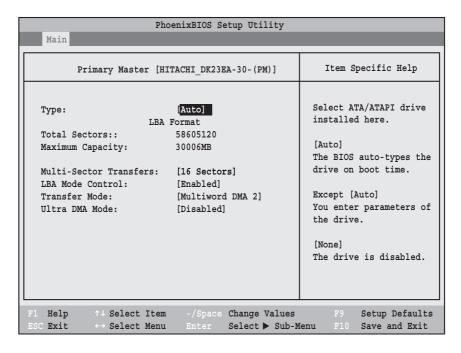


Figure 2. Primary Master Submenu

Table 2: Fields, Options and Defaults for the Primary Master Submenu of the Main Menu

Menu Field	Options	Default	Description
Туре:	n Auto n None n CD-ROM n Hard Disk	[Auto]	Selects the ATA/ATAPI device type. Select Auto to have the type automatically identified by the BIOS at POST. If None is selected, all of the following Set-up items do not appear. Select CD-ROM if a CD-ROM drive is installed at this connection. If Hard Disk is selected, you must specify the number of Cylinders, Heads, and Sectors for the drive.
LBA Format			Logical Block Addressing (LBA)
Total Sectors:		_	The total number of sectors on your hard disk
Maximum Capacity:	_		The maximum capacity of your hard disk
CHS Format			Cylinders/Heads/Sectors
Cylinders:	ⁿ A number between 0 and 65,535		This item is active only when Hard Disk is selected as the type. This field is changed by incrementing (pressing the [Spacebar]), by typing in the number, or using the "+" and "-" keys.

Table 2: Fields, Options and Defaults for the Primary Master Submenu of the Main Menu

Menu Field	Options	Default	Description
Heads:	ⁿ A number between 1 and 16	_	This item is active only when Hard Disk is selected as type. You can change the value by incrementing (pressing the [Spacebar]), by typing in the number, or using the "+" and "-" keys.
Sectors:	ⁿ A number between 0 and 63	_	This item is active only when Hard Disk is selected as type. You can change the value by incrementing (pressing the [Spacebar]), by typing in the number, or using the "+" and "-" keys.
Maximum Capacity:	ⁿ Display only		Displays the maximum capacity of the drive calculated from the parameters of the hard disk when Auto is selected and the type is identified as hard disk.
Multi-Sector Transfers:	Disabled Dis	[16 Sectors]	This option cannot be changed when Auto is selected. Specify the number of sectors per block for multiple sector transfer.
LBA Mode Control:	 Disabled Enabled 	[Enabled]	Enables or disables logical Block Addressing in place of Cylinder, Head, Sector addressing. This option cannot be changed when Auto is selected.
Transfer Mode:	" Standard " Fast PIO 1 " Fast PIO 2 " Fast PIO 3 " Fast PIO 4 " Multiword DMA 1 " Multiword DMA 2	[Multiword DMA 2]	Selects the method for moving data to/from the drive. Autotype the drive to select the optimum transfer mode. This option cannot be changed when Auto is selected.
Ultra DMA Mode:	Disabled Mode 0 Mode 1 Mode 2 Mode 3 Mode 3 Mode 4 Mode 5	[Disabled]	Selects the method for moving data to/from the drive. Autotype the drive to select the optimum transfer mode. This option cannot be changed when Auto is selected.

Exiting from Main Menu

When you have finished setting the parameters on this menu, you can either exit from the setup utility, or move to another menu. If you wish to exit from the setup utility, press the [Esc] key, use the cursor keys to go to the Exit menu, or press [F10] to exit and save. If you wish to move to another menu, use the cursor keys.

ADVANCED MENU – SETTING DEVICE FEATURE CONTROLS

The Advanced Menu allows you to:

- Set the I/O addresses for the serial and parallel ports.
- Set the communication mode for the parallel port and infrared port.
- Select between the display panel and an external CRT display.
- Enable or disable compensation for your display.
- Configure CPU features.
- · Configure USB features.

- Configure miscellaneous features of the system.
- · View the event logging information.

Follow the instructions for Navigating Through The Setup Utility to make any changes.

The following tables show the names of the menu fields for the Advanced Menu and its submenus, all of the options for each field, the default settings and a description of the field's function and any special information needed to help understand the field's use.

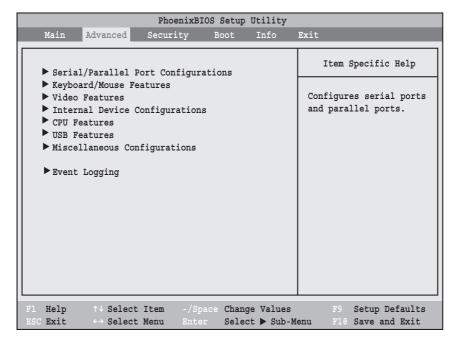


Figure 3. Advanced Menu

Table 3: Fields, Options and Defaults for the Advanced Menu

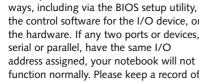
Menu Field	Description
Serial/Parallel Port Configurations	When selected, opens the Serial/Parallel Port Configurations submenu which allows the user to modify settings for serial, infrared and parallel ports.
Keyboard/Mouse Features	When selected, opens the Keyboard/Mouse Features submenu, which allows setting external and internal keyboard and mouse parameters.
Video Features	When selected, opens the Video Features submenu, which allows setting of the display parameters, including routing of video signals to different displays.

Table 3: Fields, Options and Defaults for the Advanced Menu

Menu Field	Description
Internal Device Configurations	When selected, opens the Internal Device Configurations submenu, which allows enabling or disabling the Floppy Disk, IDE, and LAN Controllers.
CPU Features	When selected, opens the CPU Features submenu, which allows setting of Intel Speed-Step features.
USB Features	When selected, opens the USB Features submenu, which allows enabling or disabling USB.
Miscellaneous Configurations	When selected, opens the Miscellaneous Features submenu, which allows enabling or disabling the power button, and configuring the performance control.
Event Logging	When selected, opens the event logging submenu.

Serial/Parallel Port Configurations Submenu of the Advanced Menu

The Serial/Parallel Port Configurations submenu allows you to set the I/O addresses and interrupt levels for the serial, touch panel, and parallel ports of your notebook.



I/O addresses, DMA channels and

Interrupt levels can be entered in various

the control software for the I/O device, or the hardware. If any two ports or devices, serial or parallel, have the same I/O address assigned, your notebook will not function normally. Please keep a record of original settings before making any changes in the event that a restoration is required. See your hardware and software documentation as well as the setup utility to determine settings, limitations, etc.



- To prevent IRQ and address conflicts, avoid changing the default settings. If you must change the settings, you can call 1-800-8FUJITSU for technical assistance.
- The BIOS will warn you of a resource conflict by placing a yellow asterisk next to each device that is in conflict.

All I/O addresses in Table 4 are in hexadecimal.

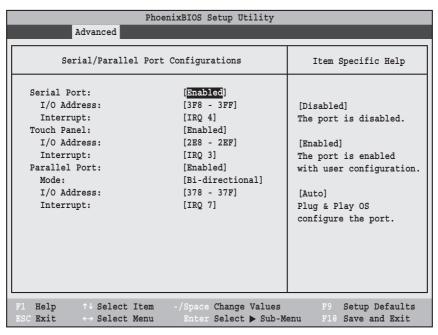


Figure 4. Serial/Parallel Port Configurations Submenu

Table 4: Fields, Options and Defaults for the Serial/Parallel Port Configurations Submenu of Advanced Menu

Menu Field	Options	Default	Description
Serial Port:	Disabled Enabled Auto	[Enabled]	Configures the serial port using either no configuration (Disabled), a user defined configuration (Enabled), or by allowing the BIOS or OS to choose the configuration (Auto).
I/O Address:	• 3F8 - 3FF • 2F8 - 2FF • 3E8 - 3EF • 2E8 - 2EF	[3F8 - 3FF]	Allows user to set the serial port base I/O address when serial port is Enabled.
Interrupt:	• IRQ 3 • IRQ 4 • IRQ 10 • IRQ 11	[IRQ 4]	Allows user to set the serial port interrupt when serial port is Enabled.
Touch Panel:	Disabled Enabled Auto	[Enabled]	Enables or disables the Touch Panel, or allows the Plug & Play operating system to choose the configuration (Auto).
I/O Address:	• 3F8-3FF • 2F8-2FF • 3E8 - 3EF • 2E8 - 2EF	[2E8 - 2EF]	Allows user to set the touch panel I/O address when the touch panel is Enabled.
Interrupt:	• IRQ 3 • IRQ 4 • IRQ 10 • IRQ 11	[IRQ 3]	Allows user to set the touch panel interrupt when the touch panel is Enabled.
Parallel Port:	Disabled Enabled Auto	[Enabled]	Configures the parallel port using either no configuration (Disabled), a user defined configuration (Enabled), or by allowing the BIOS or OS to choose the configuration (Auto).
Mode:	Output Only Bi-directional ECP	[Bi-directional]	When the parallel port is enabled this option is available allowing the user to set the mode for the parallel port. Bi-directional allows two-way transfer of information between your notebook and a connected parallel device. Output Only (Half Duplex) allows information to be transferred in only one direction, from your notebook to the printer or similar device. ECP Mode allows communication with the ECP class of parallel I/O devices.
I/O address:	• 378 - 37F • 278 - 27F • 3BC - 3BF	[378 - 37F]	Allows user to set the parallel port base I/O address when the parallel port is Enabled.
Interrupt:	• IRQ 5 • IRQ 7	[IRQ 7]	Allows user to set the parallel port interrupt when the parallel port is Enabled.

Keyboard/Mouse Features Submenu of the Advanced Menu

Keyboard/Mouse Features submenu is for setting parameters of the integrated and external mouse and keyboard.

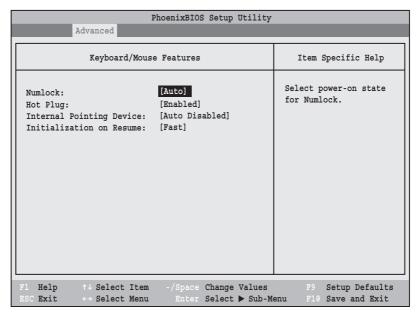


Figure 5. Keyboard/Mouse Features Submenu

Table 5: Fields, Options and Defaults for the Keyboard/Mouse Features Submenu of the Advanced Menu

Menu Field	Options	Default	Description
Numlock:	• Auto • On • Off • On/Padlock Off	[Auto]	Sets the NumLock function state when the computer completes booting.
Hot Plug:	DisabledEnabled	[Enabled]	Enables and disables the ability to plug in a device and have it immediately recognized and active.
Internal Pointing Device:	Auto Disabled Manual Setting Always Enabled Always Disabled	[Auto Disabled]	Selects pointing device configurations. Auto Disabled: The internal pointing device is disabled when a PS/2 external pointing device is connected. Manual Setting: When selected, allows you to enable or disable the internal pointing device with a Hot key. Always Enabled/Always Disabled: The internal pointing device is always enabled or disabled.
Initialization on Resume:	• Fast • Normal	[Fast]	When Fast is selected, the initialization of external PS/2 devices is optimized to speed up on resume. When Normal is selected, initialization is not optimized. Note that this feature is designed for Windows XP systems only. When external PS/2 devices don't function after resume, set to Normal .

Video Features Submenu of the Advanced Menu

The Video Features Submenu is for setting the display parameters.

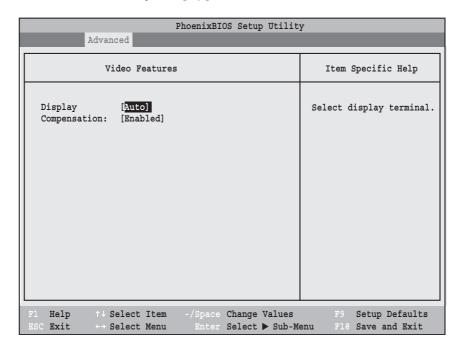


Figure 6. Video Features Submenu

Table 6: Fields, Options and Defaults for the Video Features Submenu of the Advanced Menu

Menu Field	Options	Default	Description
Display:	• Internal Flat-Panel • External • Auto	[Auto]	Selects where the video signal will be routed.
Compensation:	DisabledEnabled	[Enabled]	Enables or disables compensation which controls spacing on the display. When enabled, displays with less than pixel resolution 800 x 600 will still cover the entire screen.

Internal Device Configurations Submenu of the Advanced Menu

The Internal Device Configurations submenu allows the user to configure other internal devices.

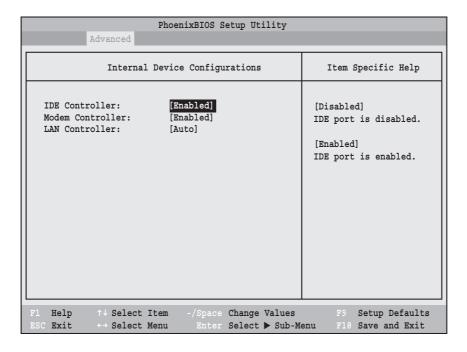


Figure 7. Internal Device Configurations Submenu

Table 7: Fields, Options and Defaults for Internal Device Configurations Submenu of Advanced Menu

Menu Field	Options	Default	Description
IDE Controller:	DisabledEnabled	[Enabled]	Enables or disables selected IDE devices.
Modem Controller:	DisabledEnabled	[Enabled]	Enables or disables the modem device.
LAN Controller:	• Enabled • Disabled • Auto	[Auto]	LAN controller is enabled or disabled automatically, based upon system detection of the presence of a LAN cable. NOTE: This field may not be present if you have a wireless LAN installed.

CPU Features Submenu of the Advanced Menu

The CPU Features submenu configures certain features of the CPU in the system.

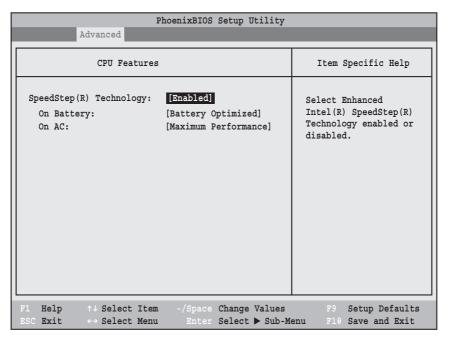


Figure 8. CPU Features Submenu

Table 8: Fields, Options and Defaults for the CPU Features Submenu of the Advanced Menu

Menu Field	Options	Default	Description
SpeedStep(R) Technology:	DisabledEnabled	[Enabled]	Enables or disables the SpeedStep Technology features.
On Battery:	Maximum Performance Battery Optimized Automatic	[Battery Optimized]	Allows the user to select the CPU operational mode when the system is running on battery power.
On AC:	Maximum Performance Battery Optimized Automatic	[Maximim Performance]	Allows the user to select the CPU operational mode when the system is running on AC power.

USB Features Submenu of the Advanced Menu

The USB Features submenu configures the USB capabilities of the system.

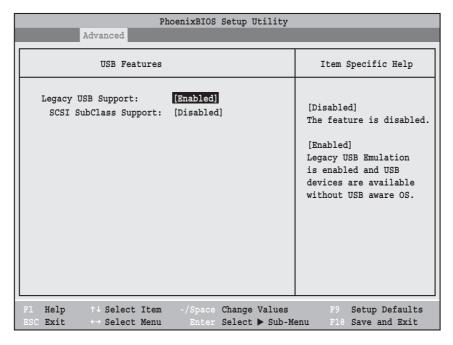


Figure 9. USB Features Submenu

Table 9: Fields, Options and Defaults for the USB Features Submenu of the Advanced Menu

Menu Field	Options	Default	Description
Legacy USB Support:	DisabledEnabled	[Enabled]	When Disabled is selected, legacy USB emulation is disabled. When Enabled is selected, legacy USB emulation is enabled and USB devices are available without USB-aware OS.
SCSI SubClass Support:	DisabledEnabled	[Disabled]	When Enabled is selected, USB devices that belong to the SCSI subclass in the mass storage class (e.g., USB Memory Key) are enabled. Note that enabling this feature may cause the system to hang during POST, depending on the device that is connected.

Miscellaneous Features Submenu of the Advanced Menu

The Miscellaneous Features submenu configures the power button and performance control features of the system.

PhoenixBIOS Setup Utility Advanced	
Miscellaneous Configurations	Item Specific Help
Power Button: [Disabled] Wake up on LAN: [Disabled] Volume Setting: [Middle]	Configures the power button. *ACPI OS ignores this setting.
F1 Help ↑↓ Select Item -/Space Change Values ESC Exit Select Menu Enter Select ▶ Sub-Me	F9 Setup Defaults enu F10 Save and Exit

Figure 10. Miscellaneous Features Submenu

Table 10: Fields, Options and Defaults for the Miscellaneous Features Submenu of the Advanced Menu

Menu Field	Options	Default	Description
Power Button:	Disabled Power Off	[Disabled]	Allows you to enable the power button to power off the system, or to have no effect when pressed.
Wake up on LAN:	DisabledEnabled	[Disabled]	When Enabled is selected, the system will wake up when the internal LAN receives a Magic Packet while it is powered off.
Volume Setting:	" Off " Minimum " Middle " Maximum	[Middle]	Allows you to set or disable the system volume level.

Event Logging Submenu of the Advanced Menu

The Event Logging submenu is for setting up the logs for DMI event logging.

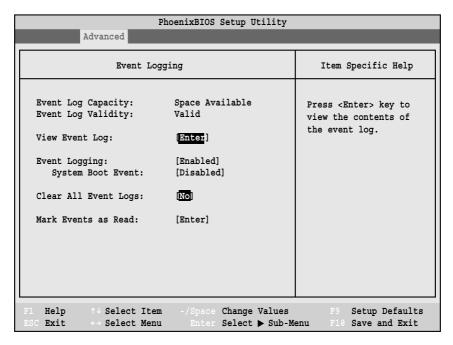


Figure 11. Event Logging Submenu

Table 11: Fields, Options and Defaults for the Event Logging Submenu of the Advanced Menu

Menu Field	Options	Default	Description
Event Log Capacity:		Space Available	Display only
Event Log Validity:		Valid	Display only
View Event Log:	• Enter	[Enter]	Allows you to view content of event log.
Event Logging:	DisabledEnabled	[Enabled]	Turns event logging on and off for all DMI events.
System Boot Event:	DisabledEnabled	[Disabled]	Turns event logging on and off for DMI system boot events.
Clear All Event Logs:	• No • Yes	[No]	When set to [Yes] all event logs will be cleared at next boot.
Mark Events as Read:	• Enter	[Enter]	Allows you to select all events currently in the event log as read.

SECURITY MENU – SETTING THE SECURITY FEATURES

The Security menu allows you to set up the data security features of your notebook to fit your operating needs and to view the current data security configuration. Follow the instructions for Navigating Through The Setup Utility to make any changes.

 If you set a password, write it down and keep it in a safe place. If you forget the password you will have to contact your support representative to regain access to your secured functions and data.



- If you make an error when re-entering the password a [Warning] will be displayed on the screen. To try again, press the Enter key and then retype the password. Press the Esc key to abort the password setting process.
- Boot sector protection must be set to [Normal] to install or upgrade an operating system.

 Entering a password incorrectly three times in a row will cause the keyboard and mouse to be locked out and the warning [System Disabled] to be displayed. If this happens, restart the computer by turning off and on the power with the power switch and use the correct password on reboot.



If the Password on Resume is Enabled and the Password on Boot is Disabled you will not have to type your password upon resuming the system from the Suspend or Save-to-Disk modes. Power Management Security will work only if Password on Boot is enabled.

The following tables show the names of the menu fields for the Security menu and submenus, all of the options for each field, the default settings and a description of the field's function and any special information needed to help understand the field's use. The default condition is no passwords required and no write protection.

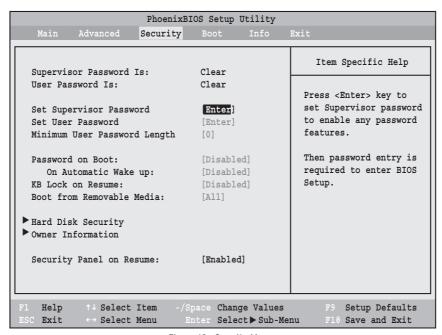


Figure 12. Security Menu

Table 12: Fields, Options and Defaults for the Security Menu

Menu Field	Options	Default	Description	
Supervisor Password is:	_	Clear	A display-only field. Set is displayed when the system supervisor password is set and Clear when it is not.	
User Password is:	_	Clear	A display-only field. Set is displayed when the general user password is set, and Clear when it is not.	
Set Supervisor Password	_	[Enter]	Sets, changes or cancels Supervisor Password. Supervisor Password may up to seven characters long and must include only letters or numbers (r symbols). Passwords are NOT case-sensitive. To cancel a password pres [Enter] instead of entering characters in the Enter New Password field ain the Re-enter New Password field. When a Supervisor Password is set must be used to access BIOS setup utility.	
Set User Password	_	[Enter]	This field can only be accessed if the Supervisor Password is set. Sets, changes or cancels the User Password. A User Password may be up to seven characters long and must include only letters or numbers (no symbols). Passwords are NOT case-sensitive. To cancel a password press the Enter key instead of entering characters in the Enter New Password field and in the Re-enter New Password field. When a User Password is set it must be used to access the setup utility.	
Minimum User Password Length:	_	[0]	_	
Password on Boot:	DisabledFirst BootEvery Boot	[Disabled]	When set to Disabled, no password is required. When set to First Boot, password entry is required only before first boot. When Every Boot is selected, password is required every time the system is booted.	
On Automatic Wake up:	DisabledEnabled	[Disabled]	When Disabled, a password is not required on LAN or RTC automatic wake up. When Enabled, password is required on automatic wake up.	
KB Lock on Resume:	DisabledEnabled	[Disabled]	When Enabled, PS/2 keyboard or mouse inputs are locked out at Resume From Suspend or Save-to-Disk until entering password.	
Boot from Removable Media:	All Supervisor only	[All]	When Supervisor Only is selected, only the Supervisor can boot from removable media. Only the user who enters the Supervisor Password before OS boot is treated as the Supervisor. When All is selected, booting from removable media is not restricted.	
Hard Disk Security:	_	 	Configures hard disk security features.	
Owner Information:		_	Sets Owner information.	
Security Panel on Resume:	DisabledEnabled	[Enabled]	Allows you to enable or disable the Security Panel feature upon Resume from Suspend.	

Exiting from the Security Menu

When you have finished setting the parameters on the Security Menu, you can either exit from setup utility or move to another menu. If you wish to exit from setup utility, press the [Esc] key to go to the Exit Menu. If you wish to move to another menu, use the cursor keys.

Hard Disk Security Submenu of the Security Menu

The Hard Disk Security submenu is for configuring hard disk security features.

PhoenixBIOS Setup Utility				
Security				
Hard Disk Security	Item Specific Help			
Primary Master Password Is: Clear				
Set Primary Master Password: [Enter]				
Password Entry on Boot: [Enabled]				
F1 Help ↑↓ Select Item -/Space Change Values				
ESC Exit ←→ Select Menu Enter Select ▶ Sub-Me	enu F10 Save and Exit			

Figure 13. Hard Disk Security Submenu

Table 13: Fields, Options and Defaults for the Hard Disk Security Submenu of the Security Menu

Menu Field	Options	Default	Description
Primary Master Password Is:		Clear	A display-only field. Set is displayed when the Master Password is set and Clear when it is not.
Set Primary Master Password	_	[Enter]	Sets, changes or cancels Primary Master Password. The Primary Master Password may be up to seven characters long and include only letters or numbers (no symbols). Passwords are NOT case- sensitive. To cancel a password press the Enter key instead of entering characters in the Enter New Password field and in the Re-enter New Password field. When a Primary Master Password is set it must be used to access the hard disk. Data on the hard disk cannot be read on other systems.
Password Entry on Boot:	• Disabled • Enabled	[Enabled]	When set to Disabled, it is not necessary to enter a hard disk password before booting. The hard disk is still password-protected without password entry.

Owner Information Submenu of the Security Menu

The Owner Information submenu is for setting owner information.

PhoenixBIOS Setup Utility				
Sec	urity			
Owner Information Is:	Clear	Item Specific Help		
Set Owner Information				
Foreground Color: Background Color:	[Gray] [Black]			
F1 Help ↑↓ Select Iter ESC Exit ↔ Select Menu		F9 Setup Defaults Menu F10 Save and Exit		

Figure 14. Owner Information Submenu

Table 14: Fields, Options and Defaults for the Owner Information Submenu of the Security Menu

Menu Field	Options			Default	Description
Owner Information Is:				Clear	Display only.
Set Owner Information:				[Enter]	Field to write owner information (i.e., name).
Foreground Color:	Black Blue Green Cyan Red Magenta	BrownWhiteGrayLight BlueLight Green	Light CyanLight RedLight MagentaLight YellowBright White	[Gray]	
Background Color:	Black Blue Green Cyan Red Magenta	BrownWhiteGrayLight BlueLight Green	Light CyanLight RedLight MagentaLight YellowBright White	[Black]	

BOOT MENU - SELECTING THE OPERATING SYSTEM SOURCE

The Boot Menu is used to select the order in which the BIOS searches sources for the operating system. Follow the instructions for Navigating Through The Setup Utility to make any changes.

The following tables show the names of the menu fields for the Boot menu and its submenu, all of the options for each field, the default settings and a description of the field's function and any special information needed to help understand the field's use.

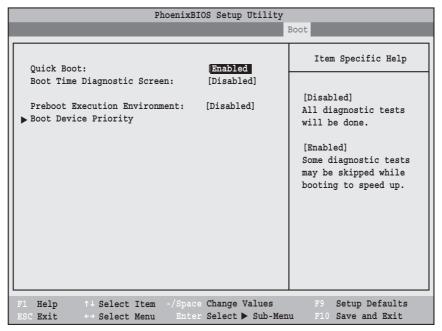


Figure 15. Boot Menu

Table 15: Fields, Options and Defaults for the Boot Menu

Menu Field	Options	Default	Description
QuickBoot:	DisabledEnabled	[Enabled]	Turns on and off booting with a truncated set of Power On Self Test. (Fewer tests mean faster turn on.)
Boot-time Diagnostic Screen:	DisabledEnabled	[Disabled]	Turns on and off display of test results instead of Fujitsu logo screen during Power On Self Test.
Preboot Execution Environment:	• Disabled • Enabled	[Disabled]	When enabled, booting from a network server (Preboot Execution Environment) is enabled.
Boot Device Priority	Selects the Boot Device Priority submenu	_	This menu allows setting up the source for the operating system.

Boot Device Priority Submenu of the Boot Menu

The Boot Device Priority submenu is for setting the order of checking of sources for the operating system.

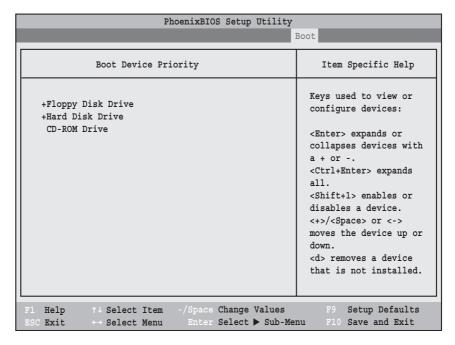


Figure 16. Boot Device Priority Submenu

Table 16: Fields, Options and Defaults for the Boot Device Priority Submenu of the Boot Menu

Menu Field	Description
+Floppy Disk Drive +Hard Disk Drive CD-ROM Drive	The boot selections determine the order in which the BIOS searches for the operating system during a startup sequence. To change the order highlight one source by using the [up] or [down] cursor keys and then press the [+] or [-] key to change the order number for that source. Be sure to save your changed order when you exit the BIOS setup utility.

Exiting from Boot Menu

When you have finished setting the boot parameters with the Boot menu, you can either exit from the setup utility or move to another menu. If you wish to exit from the setup utility press the [Esc] key to go to the Exit menu. If you wish to move to another menu, use the cursor keys.

INFO MENU - DISPLAYS BASIC SYSTEM INFORMATION

The Info menu is a display-only screen that provides the configuration information for your notebook.

The following table shows the names of the menu fields for the Info menu and the information displayed in those fields. These fields are for information purposes only, and are not editable (except for the Asset Number as in the Point below).



The information displayed on this screen is variable according to the unit you purchased.

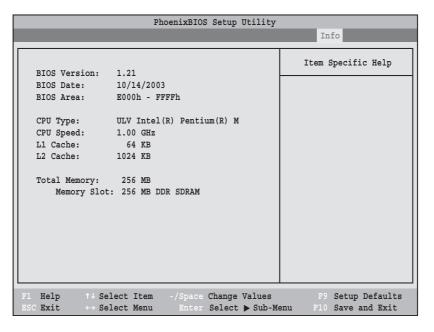


Figure 17. Info Menu

Table 17: Fields, Options and Defaults for the Info Menu

Menu Field	Default	Menu Field	Default
BIOS Version:	1.21	L1 Cache:	64 KB
BIOS Date:	10/14/2003	L2 Cache:	1024 KB
BIOS Area:	E000h – FFFFh	Total Memory:	256 MB
СРИ Туре:	ULV Intel(R) Pentium(R) M	Memory Slot:	256 MB DDR SDRAM
CPU Speed:	1.00 GHz		

EXIT MENU – LEAVING THE SETUP UTILITY

The Exit Menu is used to leave the setup utility. Follow the instructions for Navigating Through The Setup Utility to make any changes.

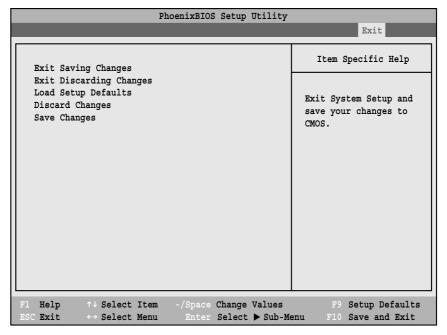


Figure 18. Exit Menu

The following table shows the names of the menu fields for the Exit menu, the default settings and a description of the field's function and any special information needed to help understand the field's use.

Table 18: Fields, Options and Defaults for the Exit Menu

Menu Field	Optional Keyboard Shortcut	Description
Exit Saving Changes	Press the F10 key	Exit Saving Changes and Exit will store all the entries on every menu of the setup utility to the BIOS memory and then exit the setup utility. A confirmation message Save Configuration changes and exit now? [Yes] [No] will be displayed.
Exit Dis- carding Changes		Selecting Exit Discarding Changes and Exit will exit the setup utility with out writing to the BIOS memory. When the BIOS recognizes this selection it will load the operating system and begin operation.

Table 18: Fields, Options and Defaults for the Exit Menu

Menu Field	Optional Keyboard Shortcut	Description
Load Setup Defaults	Press the F9 key	Selecting Load Setup Defaults will load the factory preset default values for all menu fields, then display the message Load default configuration now? [Yes] [No]. When confirmed the setup utility will return to the Exit Menu. To return to another menu follow the directions in the Navigating Through The Setup Utility section.
Discard Changes	_	Selecting Discard Changes loads the previous values in BIOS memory for all menu fields. The message Load previous now? [Yes] [No] will be displayed. When confirmed the setup utility will return to the Exit menu. To go to another menu, follow the directions in the Navigating Through The Setup Utility section.
Save Changes	_	Selecting Save Changes will cause the new settings in all menus to be written to the BIOS memory. The message Save configuration changes now? [Yes] [No] will be displayed. When confirmed, the setup utility will return to the Exit menu. To return to another menu, follow the directions in the Navigating Through The Setup Utility section.